

File Copy
09/982,223
Sheet 1 of 4

| | | | |
|--|--|---------------------------------------|---|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13086-002001 | Application No. 09/982,223 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant George Q. Daley et al. | RECEIVED MAR 05 2002 1645 1630 CENTER 1600/2900 |
| | | Filing Date October 18, 2001 | Group |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|---------------|------------|----------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| DJ | AA | 5,605,793 | 02/25/1997 | Stemmer | | | |
| DJ | AB | 5,830,721 | 11/03/1998 | Stemmer et al. | | | |
| DJ | AC | 5,888,732 | 03/30/1999 | Hartley et al. | | | |
| DJ | AD | 6,025,192 | 02/15/2000 | Beach et al. | | | |
| DJ | AE | 6,132,970 | 10/17/2000 | Stemmer | | | |
| DJ | AF | 6,153,380 | 11/28/2000 | Nolan et al. | | | |
| | AG | | | | | | |

#8

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass |
| DJ | AH | WO 98/12339 | | PCT | | |
| | AI | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|--|
| Examiner Initial | Desig. ID | Document |
| DJ | AJ | Ariyoshi et al., Constitutive Activation of STAT5 by a Point Mutation in the SH2 Domain, J. Bio. Chem. 275:24407-24413 (2000) |
| DJ | AK | Arkin et al., An algorithm for protein engineering: Simulations fo Recursive ensemble mutagenesis, Proc. Natl. Acad. Sci. USA, 89:7811-7815 (1992) |
| DJ | AL | Bender et al., Evidence that the Packaging Signal of Moloney Murine Leukemia Virus Extends into the gag Region, J. Virol. 61:1639-1646 (1987) |
| DJ | AM | Berns et al., A genetic screen to identify genes that rescue the slow growth phenotype of c-myc null fibroblasts, Oncogene 19:3330-3334 (2000) |
| DJ | AN | Bolivar et al., List of transgenic and knockout mice: behavioral profiles, Mammalian Genome 11:260-274 (2000) |
| DJ | AO | Bryan et al., Evidence for an alternative mechanism for maintaining telomere length in human tumors and tumor-derived cell lines, Nat. Med. 3:1271-1274 (1997) |
| DJ | AP | Carnero et al., Loss-of-function genetics in mammalian cells: the p53 tumor suppressor model, Nucl. Acid Res. 28:2234-2241 (2000) |
| DJ | AQ | Cho et al., Constructing High Complexity Synthetic Libraries of Long ORFs Using In Vitro Selection, J. Mol. Biol. 297:309-319 (2000) |
| DJ | AR | Chong et al., Replication-competent retrovirus produced by a 'split-function' third generation gnphtropic packaging cell line, Gene Ther. 3:624-629 (1996) |
| DJ | AS | Colas et al., Genetic selection of peptide aptamers that recognize and inhibit cyclin-dependent kinase, 2 Nature 380:548-550 (1996) |

| | | |
|--|----------------------------|-----------|
| Examiner Signature <i>David Lamberton</i> | Date Considered 9/17/03 | 1-30-2006 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | |

FEB 28 2001

Sheet 2 of 4

| | | | | |
|--|--|---|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13086-002001 | Application No. 09/982,223 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | RECEIVED M A R 0 5 2002 TECH CENTER 1600 1600 2900 | | |
| (37 CFR §1.98(b)) | | Applicant George Q. Daley et al. | Filing Date October 18, 2001 | Group Art Unit 1645 1636 |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|--|-----------|---|
| Examiner Initial | Desig. ID | Document |
| DJ | AT | Cossetti et al., <i>High-Titer Packaging Cells Producing Recombinant Retroviruses Resistant to Human Serum</i> , J. Virol 69:7430-7436 (1995) |
| DJ | AU | Dahiyat and Mayo, <i>De Novo Protein Design: Fully Automated Sequence Selection</i> , Science 278:82-87 (1997) |
| DJ | AV | Daley and Baltimore, <i>Transformation of an interleukin 3-dependent hematopoietic cell line by the chronic myelogenous leukemia-specific P210^{bcr/abl} protein</i> , Proc. Natl. Acad. Sci. USA 85:9312-9316 (1988) |
| DJ | AW | Daley et al., <i>Induction of Chronic Myelogenous Leukemia in Mice by the P210^{bcr/abl} Gene of the Philadelphia Chromosome</i> , Science 247:824-830 (1990) |
| DJ | AX | Danos et al., <i>Safe and efficient generation of recombinant retroviruses with amphotropic and ecotropic host ranges</i> , Proc. Natl. Acad. Sci. USA 85:6460-6464 (1988) |
| DJ | AY | Delgrave et al., <i>Recursive ensemble mutagenesis</i> , Protein Engineering 6:327-331 (1993) |
| DJ | AZ | Downing et al., <i>The AML1-ETO chimaeric transcription factoring acute myeloid leukaemia: Biology and clinical significance</i> , British Journal Haematology 106:296-308 (1999) |
| DJ | AAA | Drocourt et al., <i>Cassettes of the Streptoalloteichus hindustanus ble gene for transformation of lower an dhiger eukaryotes to phleomycin resistance</i> , Nucleic Acid Res. 18:4009 (1990) |
| DJ | ABB | Frimpong et al., <i>Cotransduction of nondividing cells using lentiviral vectors</i> , Gene Ther. 7:1562-1569 (2000) |
| DJ | ACC | Gatignol et al., <i>Bleomycin resistance conferred by a drug-binding protein</i> , FEBS Letter 230:171-175 (1988) |
| DJ | ADD | Gudkov et al., <i>Cloning mammalian genes by expression selection of genetic suppressor elements: Association of kinesin with drug resistance and cell immortalization</i> , Genetics, 91:3744-3746 (1994) |
| DJ | AEE | Guild et al., <i>Development of Retrovirus Vectors Useful for Expressing Genes in Cultured Murine Embryonal Cells and Hematopoietic Cells In Vivo</i> , J. Virol. 62:3795-3801 (1988) |
| DJ | AFF | Hahn et al., <i>Creation of human tumour cells with defined genetic elements</i> , Nature 400:464-468 (1999) |
| DJ | AGG | Hannon et al., <i>MaRX: An Approach to Genetics in Mammalian Cells</i> , Science, 283:1120-1130 (1999) |
| DJ | AHH | Hoess et al., <i>The role of the loxP spacer region in P1 site-specific recombination</i> , Nucleic Acid Res. 14:2287-2300 (1986) |
| DJ | All | Hudson, et al., <i>A Proinflammatory Cytokine Inhibits p53 Tumor Suppressor Activity</i> , J. Exp. Med, 190:1375-1382 (1999) |
| DJ | AJJ | Jacobs et al., <i>The oncogene and Polycomb-group gene bmi-1 regulates cell proliferation and senescence through the ink4a locus</i> , Nature 397:164-168 (2000) |
| DJ | AKK | Keller et al., <i>Expression of a foreign gene in myeloid and lymphoid cells derived from multipotent haematopoietic precursors</i> , Nature 318:149-154 (1985) |
| DJ | ALL | Kerr et al., <i>Excess antisense RNA from infectious recombinant SV40 fails to inhibit expression of a transfected, interferon-inducible gene</i> , Eur. J. of Biochem. 175:65-73 (1988) |
| DJ | AMM | Kissil et al., <i>Isolation of DAP3, a Novel Mediator of Interferon-γ-induced Cell Death</i> , J. of Biol. Chem. 270:27932-27936 (1995) |
| DJ | ANNV | Kitamura et al., <i>Efficient screening of retroviral cDNA expression libraries</i> , Proc. Natl. Acad. Sci USA 92:9146-9150 (1995) |

| | | |
|--|----------------------------|-----------|
| Examiner Signature <i>David Gambtan</i> | Date Considered 9/17/03 | 1-30-2006 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | |

FEB 28 2002

Sheet 3 of 4

| | | | |
|---|--|---------------------------------------|---|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13086-002001 | Application No. 09/982,223 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant George Q. Daley et al. | RECEIVED MAR 05 2002 TECH CENTER 1600 1645 1636 1600/2900 |
| | | Filing Date October 18, 2001 | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|---|
| DJ | AOO | Lakso et al., <i>Targeted oncogene activation by site-specific recombination in transgenic mice</i> , Proc. Natl. Acad. Sci. USA 89:6232-6236 (1992) |
| DJ | APP | Liu et al., <i>The univector plasmid-fusion system, a method for rapid construction of recombinant DNA without restriction enzymes</i> , Curr. Biol. 8:1300-1309 (1998) |
| DJ | AQQT | Loh et al., <i>Dissection of the interferon-γ-MHC class II signal transduction pathway reveals that type I and type II interferon systems share common signaling component(s)</i> , EMBO J. 11:1351-1363 (1992) |
| DJ | ARR | Maestro et al., <i>twist is a potential oncogene that inhibits apoptosis</i> , Genes & Development, 13:2207-2217, by Cold Spring Harbor Laboratory Press (1999) |
| DJ | ASS | Markowitz et al., <i>Construction and Use of a Safe and Efficient Amphotropic Packaging Cell Line</i> , Virology, 1627:400-406 (1988) |
| DJ | ATT | Martzen et al., <i>A Biochemical Genomics Approach for Identifying Genes by the Activity of Their Products</i> , Science 286:1153-1155 (1999) |
| DJ | AUU | McKendry et al., <i>High-frequency mutagenesis of human cells and characterization of a mutant unresponsive to both α and γ interferons</i> , Proc. Natl. Acad. Sci. USA 88:11455-11459 (1991) |
| DJ | AVV | Miller, A.D., <i>Retroviral Vectors</i> , Curr. Topics Microbiol. Immunol. 158:1-24 (1992) |
| DJ | AWW | Miller et al., <i>Generation of Helper-Free Amphotropic Retroviruses That Transduce a Dominant-Acting, Methotrexate-Resistant Dihydrofolate Reductase Gene</i> , Mol. Cell Biol. 5:431-437 (1985) |
| DJ | AXX | Miller, A. Dusty, <i>Retrovirus Packaging Cells</i> , Human Gene Therapy, vol. 1, no. 1, p. 5-14 (1990) |
| DJ | AYY | Montaldo et al., <i>Telomerase Activation in Human Fibroblasts During Escape From Crisis</i> , J. Cell Physiol. 180:46-52 (1999) |
| DJ | AZZ | Muller, Ulrike, <i>Ten years of gene targeting: targeted mouse mutants, from vector design to phenotype analysis</i> , Mech. Dev. 82:3-21 (1999) |
| DJ | AAAA | Mulsant, et al., <i>Phleomycin Resistance as a Dominant Selectable Marker in CHO Cells</i> , Somat. Cell Mol. Gent. 14:243-252 (1988) |
| DJ | ABBB | Naldini et al., <i>In Vivo Gene Delivery and Stable Transduction of Nondividing Cells by a Lentiviral Vector</i> , Science 272:263-267 (1996) |
| DJ | ACCC | Naldini et al., <i>Lentiviral Vectors</i> , Adv. Virus Res. 55:599-609 (2000) |
| DJ | ADDD | O'Gorman et al., <i>Recombinase-Mediated Gene Activation and Site-Specific Integration in Mammalian Cells</i> , Science 251:1351-1355 (1991) |
| DJ | EEEE | Önishi et al., <i>Identification of an Oncogenic Form of the Thrombopoietin Receptor MPL Using Retrovirus-Mediated Gene Transfer</i> , Blood 88:1399-1406 (1996) |
| DJ | AFFF | Önishi et al., <i>Applications of retrovirus-mediated expression cloning</i> , Exp. Hematol 24:324-329 (1996) |
| DJ | AGGG | Önishi et al., <i>Identification and Characterization of a Constitutively Active STAT5 Mutant That Promotes Cell Proliferation</i> , Mol. Cell Biol. 18:3871-3879 (1998) |
| DJ | AHHH | Pellegrini et al., <i>Use of a Selectable Marker Regulated by Alpha Interferon To Obtain Mutations in the Signaling Pathway</i> , Mol. Cell Biol. 9:4605-4612 (1989) |
| DJ | AIII | Raynor and Gonda, <i>A Simple and Efficient Procedure for Generating Stable Expression Libraries by cDNA Cloning in a Retroviral Vector</i> , Mol. Cell Biol. 14:880-887 (1994) |
| DJ | AJJJ | Reddel et al., <i>Immortalized Cells with No Detectable Telomerase Activity. A Review</i> , Biochemistry 62:1254-1262 (1997) |

Examiner Signature

David Lamberton

Date Considered

9/17/03

1-30-2006

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FEB 28 2002

Sheet 4 of 4

| | | | |
|---|--|---------------------------------------|---|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13086-002001 | Application No. 09/982,223 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant George Q. Daley et al. | RECEIVED MAR 05 2008 +645 1600 CENTER 1600/2000 |
| Filing Date October 18, 2001 | Group A 1645 | | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|---|
| DJ | AKKK | Reidhaar-Olson and Sauer, <i>Combinatorial Cassette Mutagenesis as a Probe of the Informational Content of Protein Sequences</i> , Science 241:53-57 (1988) |
| DJ | ALLL | Rice et al., <i>Random PCR mutagenesis screening of secreted proteins by direct expression in mammalian cells</i> , Proc. Natl. Acad. Sci. USA 89:5467-5471 (1992) |
| DJ | AMMM | Rigg et al., <i>A Novel Human Amphotropic Packaging Cell Line: High Titer, Complement Resistance, and Improved Safety</i> , Virology 218:290-295 (1996) |
| DJ | ANNN | Ringrose et al., <i>Comparative Kinetic Analysis of FLP and Cre Recombinases: mathematical Models for DNA Binding and Recombination</i> , J. Mol. Biol. 284:363-384 (1998) |
| DJ | AOOO | Samarut et al., <i>[14] Replication-Competent and -Defective Retrovirus Vectors for Oncogenic Studies</i> , Methods Enzymol. 254:206-228 (1995) |
| DJ | APPP | Schwartz, M.A., <i>Integrins, Oncogenes, and Anchorage Independence</i> , J. Cell Biol. 139:575-578 (1997) |
| DJ | AQQQ | Shoemaker et al., <i>Intramolecular Integration Within Moloney Murine Leukemia Virus DNA</i> , J. Virology 40:164-172 (1981) |
| DJ | ARRR | Stark and Gudkov, <i>Forward genetics in mammalian cells: functional approaches to gene discovery</i> , Human Mol. Genetics 8:1925-1938 (1999) |
| DJ | ASSS | Sun et al., <i>p53-Independent Role of MDM2 in TGF-β1 Resistance</i> , Science, vol. 282, p. 2270-2272 (12/18/1998) |
| DJ | ATTT | Tramontano, et al., <i>The Making of the Minibody: an Engineered β-Protein for the Display of Conformationally Constrained Peptides</i> , Journal of Molecular Recognition, vol. 7, p. 9-24(1994) |
| DJ | AUUU | Uetz et al., <i>A comprehensive analysis of protein-protein interactions in Saccharomyces cerevisiae</i> , Nature 403:623-627 (2000) |
| DJ | AVVV | Walhout et al., <i>Protein Interaction Mapping in C. elegans Using Proteins Involved in Vulval Development</i> , Science 287:116-122 (2000) |
| | AWWW | |

| | |
|--|---|
| Examiner Signature <i>David Gambetta</i> | Date Considered 1-30-2006 9/17/03 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

DEC 09 2002

File Copy
09/982,223
Sheet 1 of 1

Substitute Form PTO-1449
(Modified)

U.S. Department of Commerce
Patent and Trademark Office

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)
(37 CFR §1.98(b))

| | |
|---------------------------------------|-------------------------------|
| Attorney's Docket No. 13086-002001 | Application No. 09/982,223 |
| Applicant George Q. Daley et al. | |
| Filing Date October 18, 2001 | Group Art Unit 1645 1436 |

U.S. Patent Documents

| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|---------------|------------|----------|-------|----------|----------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |

RECEIVED
DEC 11 2002
TECH CENTER 1600/2900

Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation Yes No |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|----------------------------|
| DJ | AF | WO 99/32646 | 07/01/1999 | -WIPO PCT | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|--|
| DJ | AK | Sakalian, M. et al., <i>The American Society for Microbiology</i> 68(9):5969-5981 (1994) |
| | AL | |
| | AM | |
| | AN | |
| | AO | |
| | AP | |

Examiner Signature
David Lamberton

Date Considered
9/17/03 1-30-2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.